Upper Fans, iMac G5, 17-inch
Replacement Instructions

Follow the instructions in this sheet carefully. Failure to follow these instructions could damage your equipment and void its warranty.

Note: Online instructions are available at http://www.apple.com/support/doityourself/.

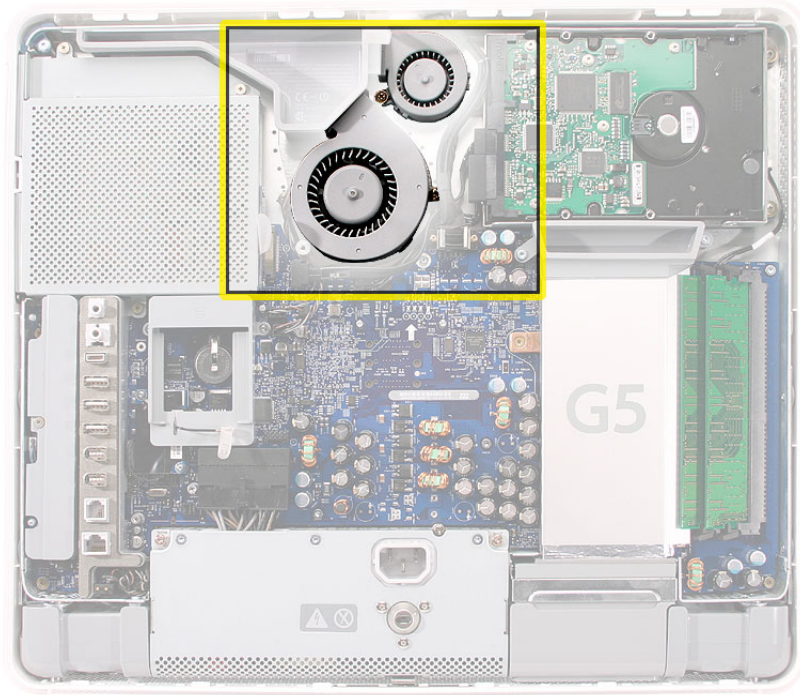
Tools Required

- Use the enclosed tool; Phillips #2 screwdriver or Torx-8 depending upon what type of screws are present. **Note:** Torx screws are star-shaped as shown below.

Torx screw head

- Screw tray or equivalent to hold the screws

Part Location

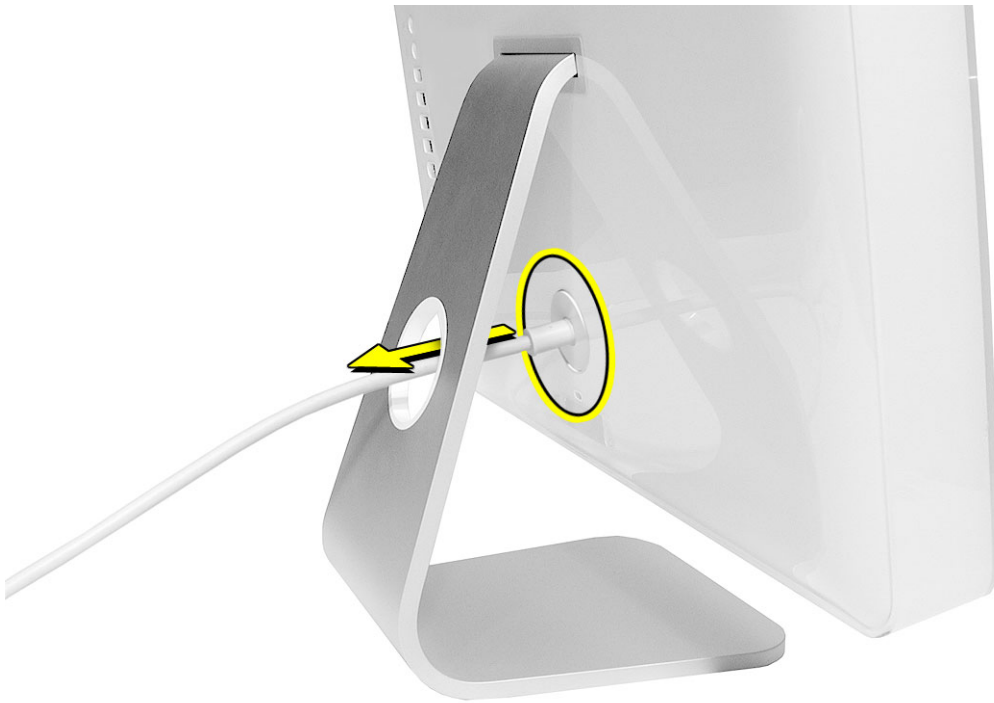


Important Things to Know

1. Don’t remove any screws other than the ones mentioned in this document.
2. Some iMac G5 models will have silver-colored torx screws securing the fan, others will have brass-colored Phillips #2 screws. Use the appropriate enclosed tool to remove the fan screws.
3. Ground yourself when working on the computer. The procedure will show you how to ground yourself.
4. Keep drinks and other liquids away from the area you are working on the iMac.

Opening the Computer

1. Turn your computer off by choosing Shut down from the Apple (apple) menu.
2. Disconnect all cables, and unplug the power cord from your computer.

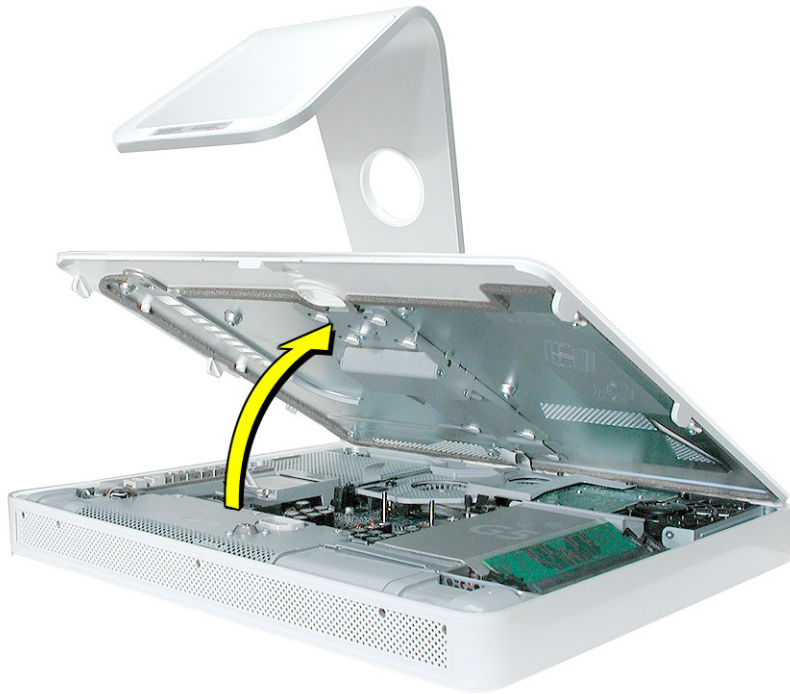


3. Place a soft, clean towel or cloth on the desk or surface. Hold the sides of the computer and slowly lay the computer face down as shown

4. Locate the three case screws circled below. You may have to lift the stand to locate the middle case screw. **Note:** These screws are captive; they are part of the display/bezel assembly and cannot be removed.

5. Using the tool provided, or a Phillips #2 screwdriver, loosen the three captive screws. Turn the screws to the left until they stop turning. **Don't force the screws once they stop turning**.

6. Holding the stand, tilt the back cover up and lift it off the computer.

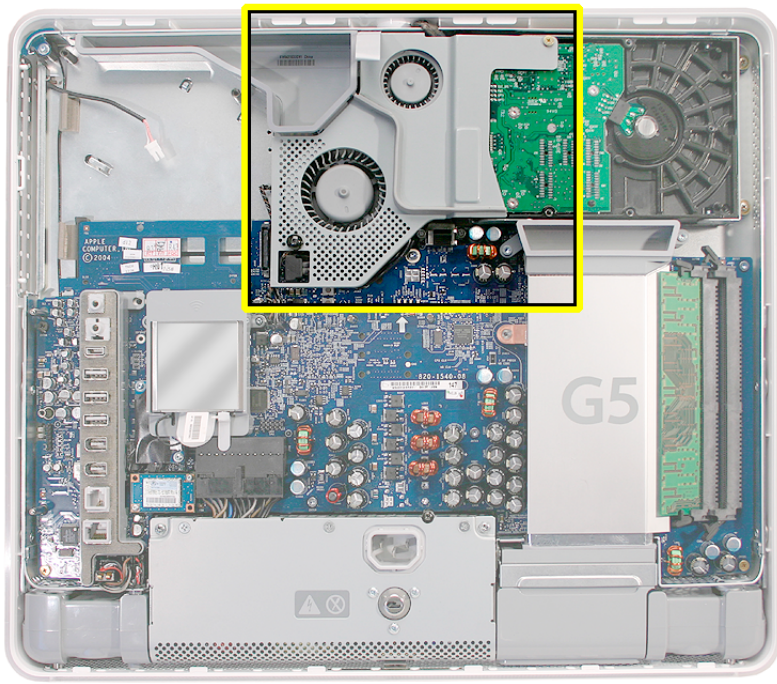


Removing the Upper Fans

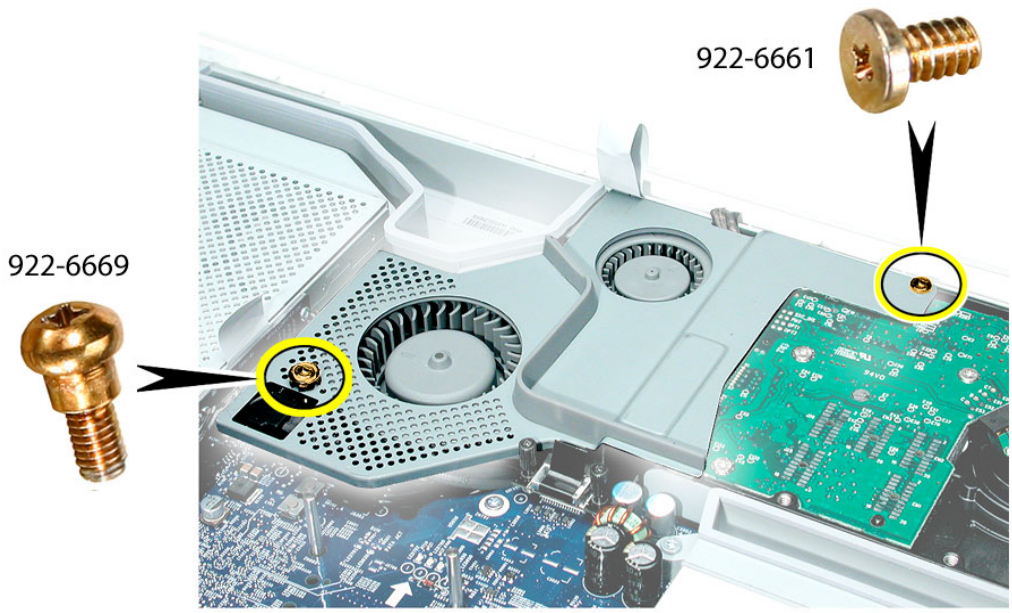
1. Ground yourself before touching anything inside the computer. Touch the metal surface (as shown below) on the inside of the computer to discharge any static electricity.

   Warning: Always discharge static electricity before you touch any parts or install any components inside the computer. To avoid generating static electricity, do not walk around the room until you have finished installing the part and closed the computer.

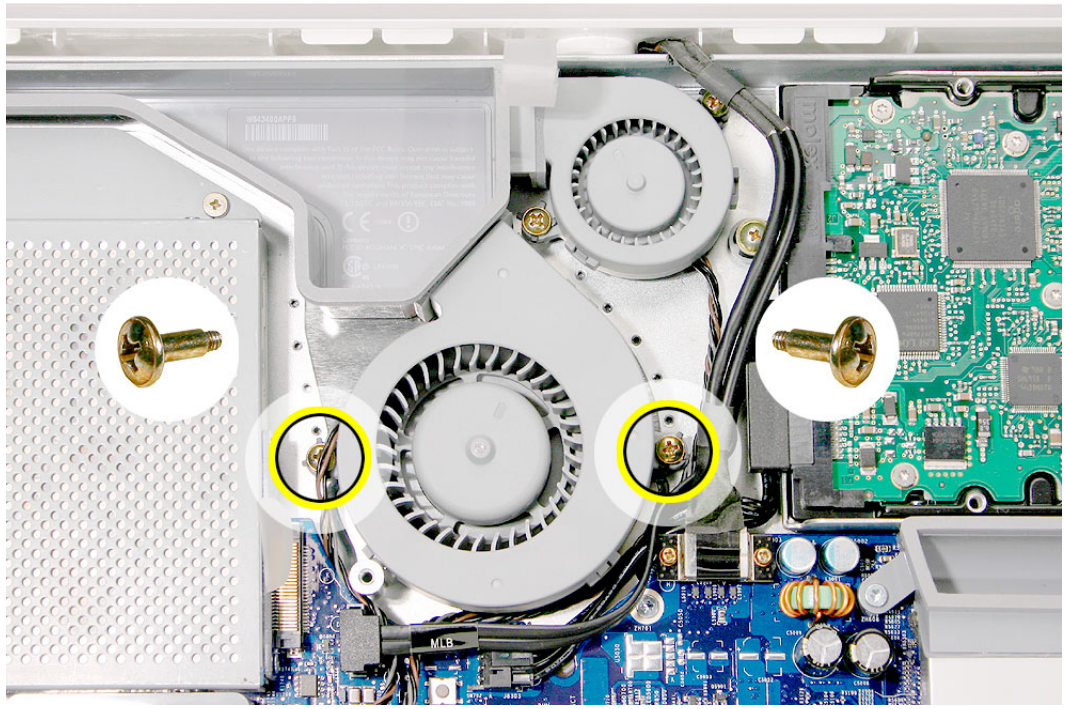
2. Locate the fan cover shown below.



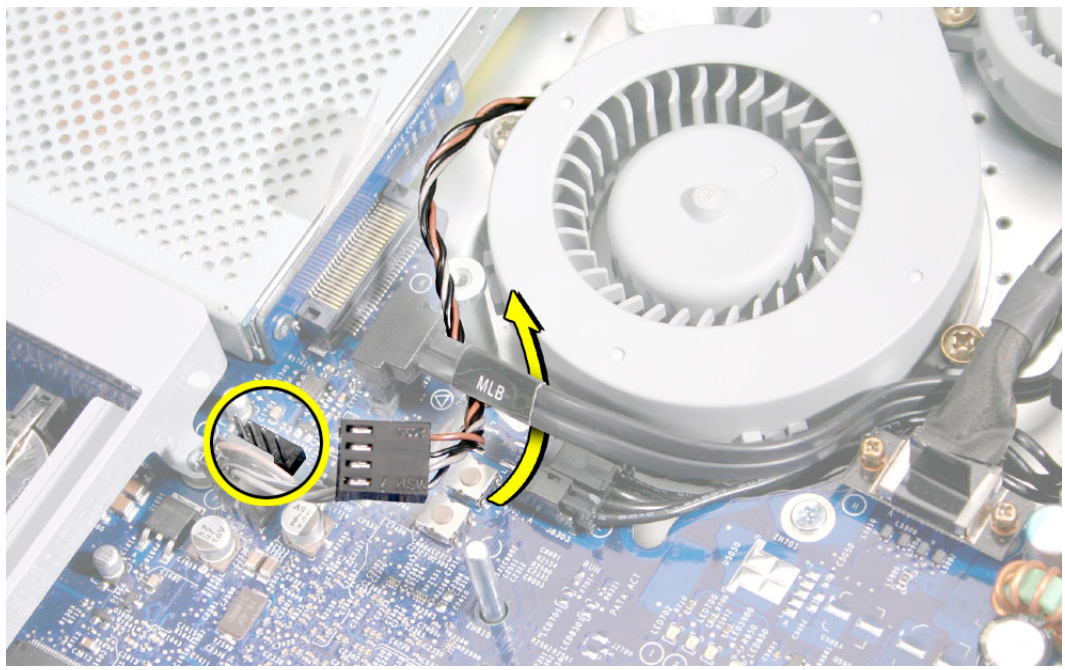
3. Using the tool provided, or a Phillips #2 screwdriver, remove the two fan cover screws. Lift the fan cover off the computer and set the fan cover aside.



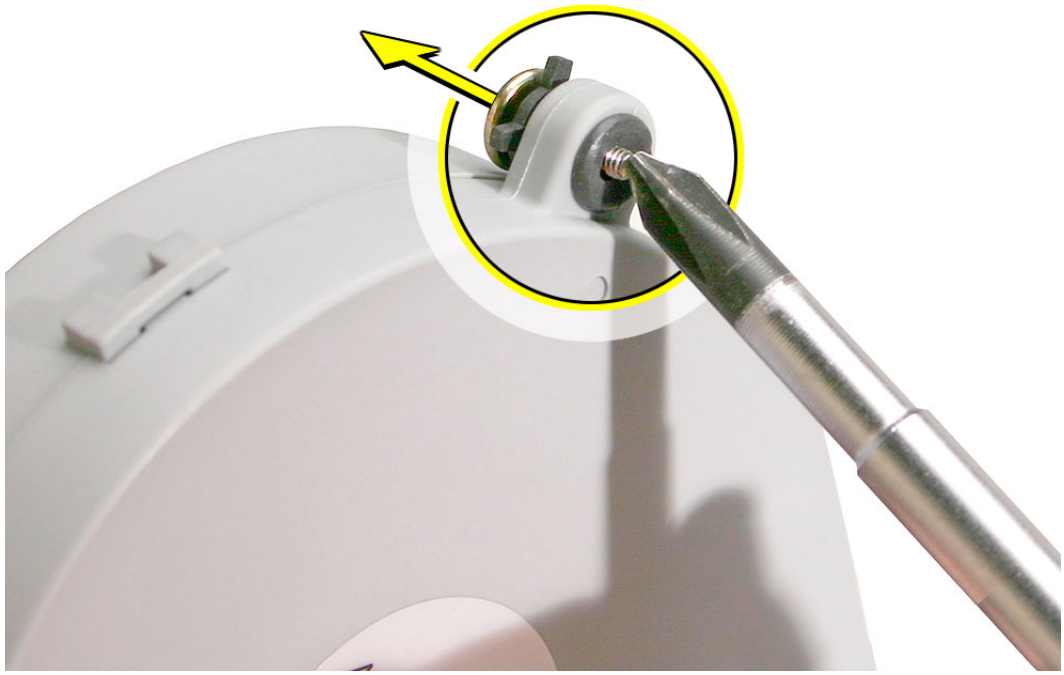
4. Using the tool provided (Torx or Phillips), loosen the two fan screws. **Note:** You don't have to remove the screws from the rubber grommets to remove the fan, just loosen the screws.



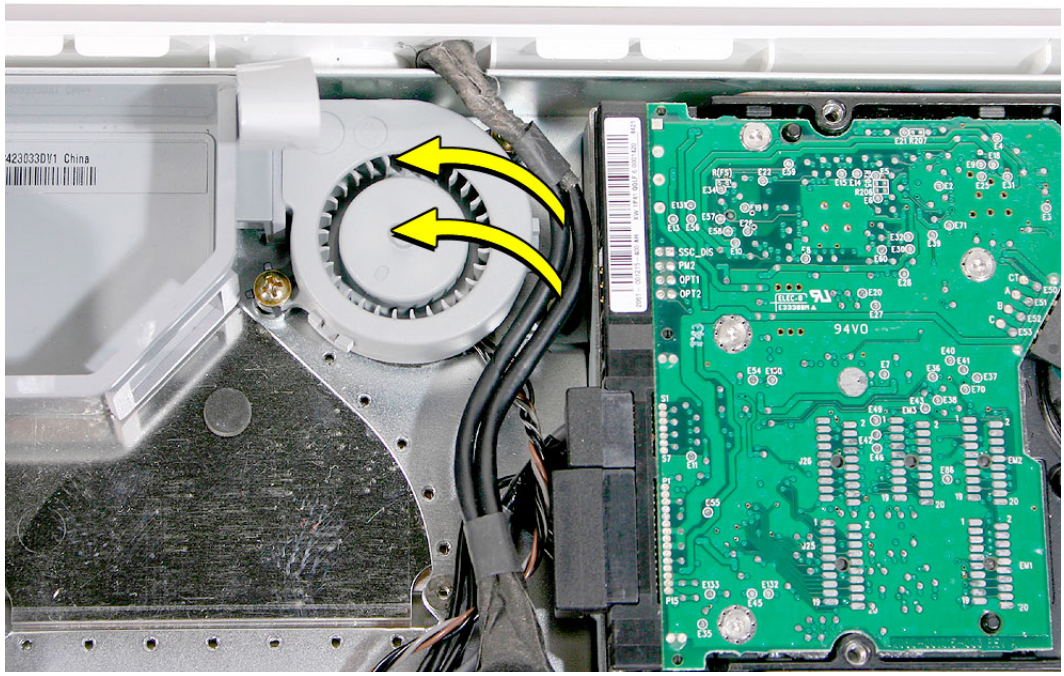
5. Disconnect the fan cable from the connector on the logic board. Pull on the black connector, not on the cable Route the fan cable under the black hard drive cable (as shown).



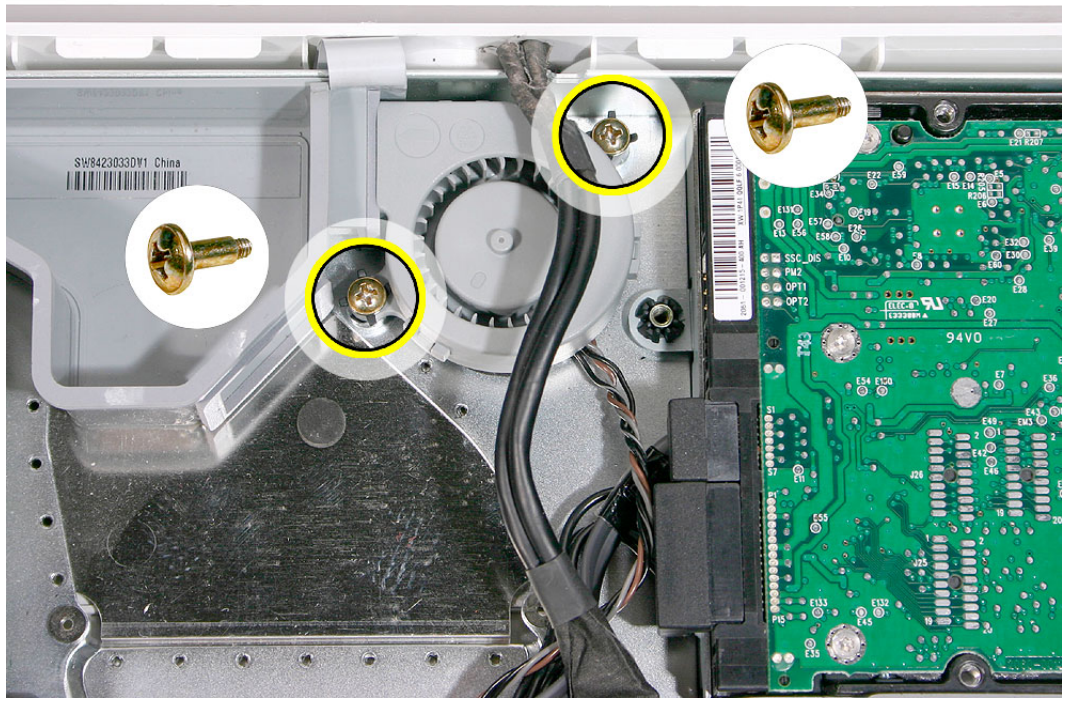
6. Lift the fan out of the computer.
7. Remove the screws from the fan grommets and use them on the replacement fan. Using a screwdriver, push the fan screws out of the grommets and set them aside.



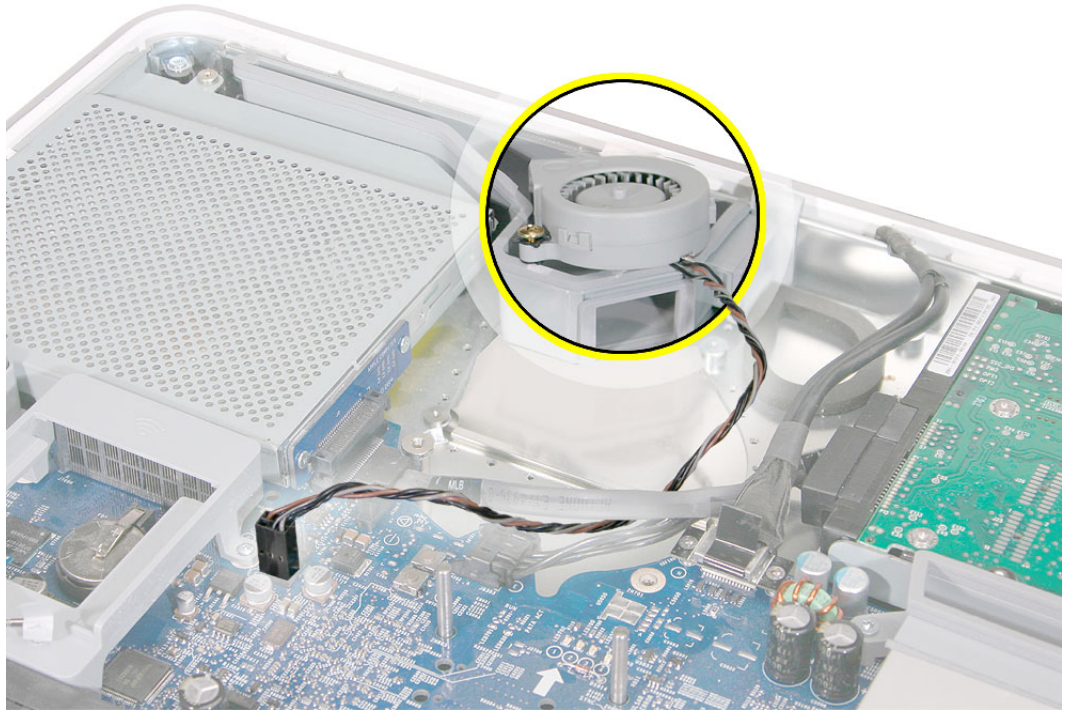
8. Looking at the other fan, move the video cable to the left so you can locate the second screw securing this fan.



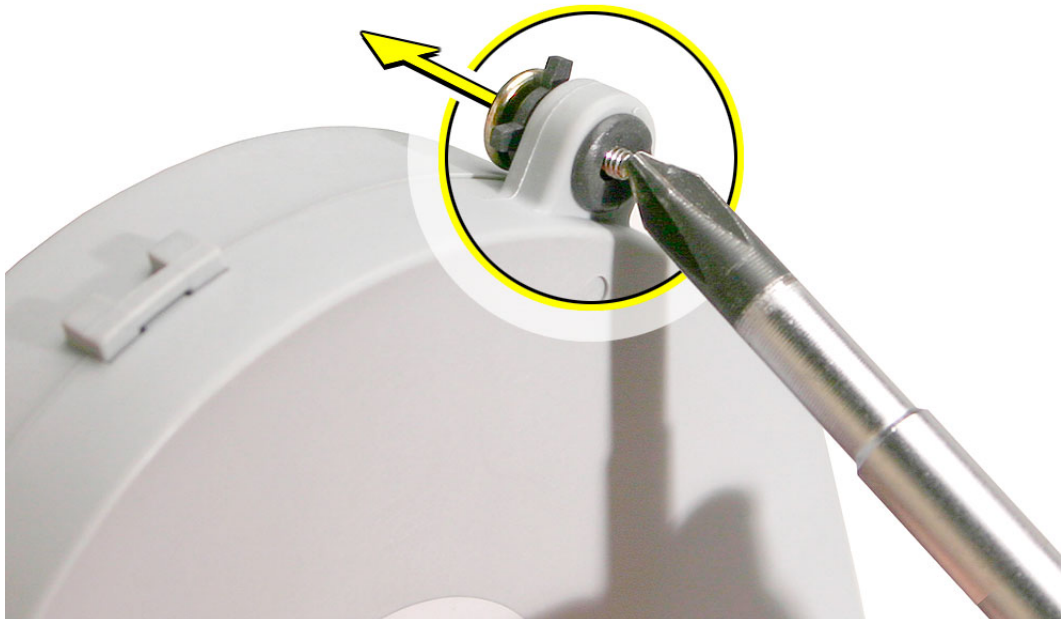
9. Using the tool provided (Torx or Phillips), loosen the two fan screws. **Note:** You don't have to remove the screws from the rubber grommets to remove the fan, just loosen the screws.



10. Lift the fan out of the computer and disconnect the fan cable from the connector on the logic board. Pull on the black connector, not on the cable.

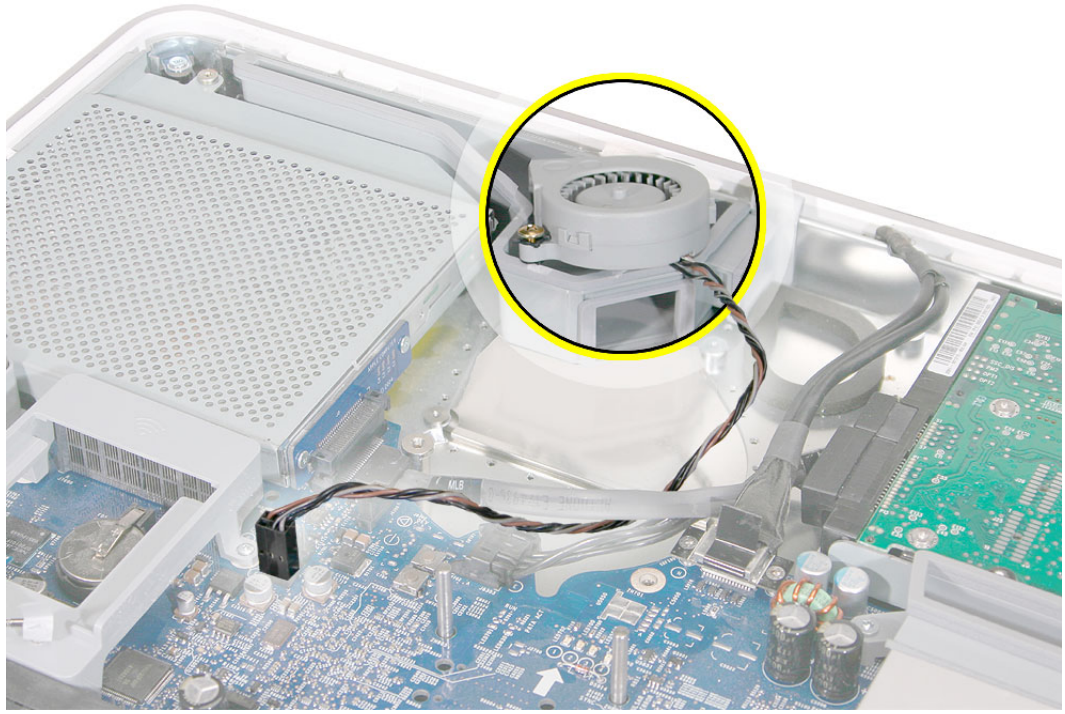


11. Remove the screws from the fan grommets. Using a screwdriver, push the fan screws out of the grommets and set them aside.

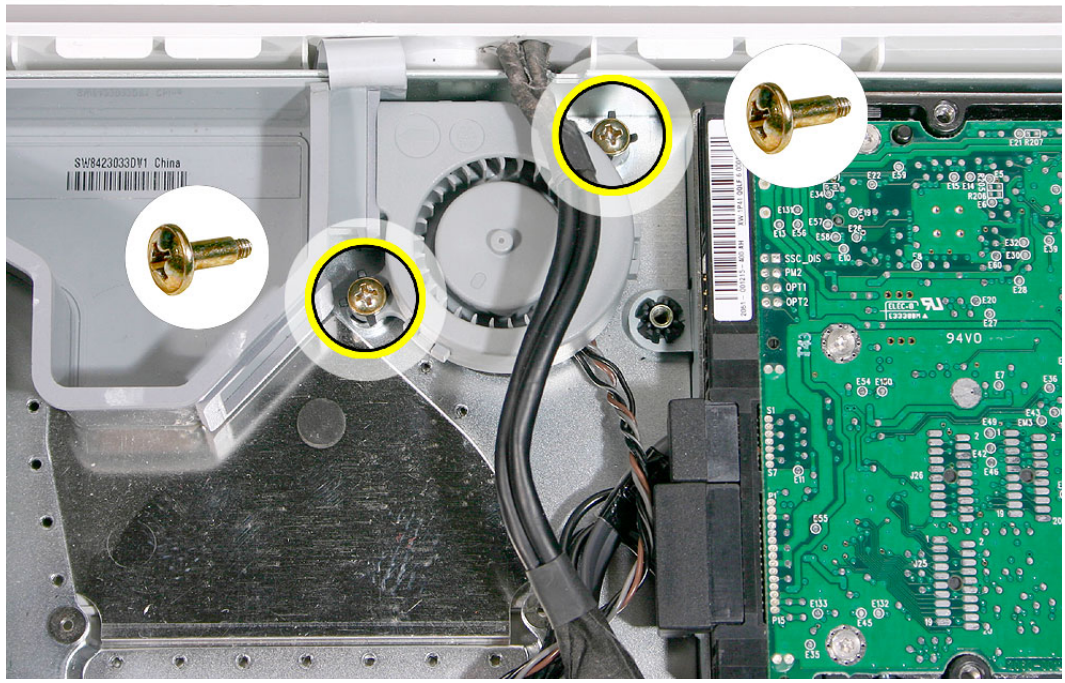


Installing the Replacement Fans

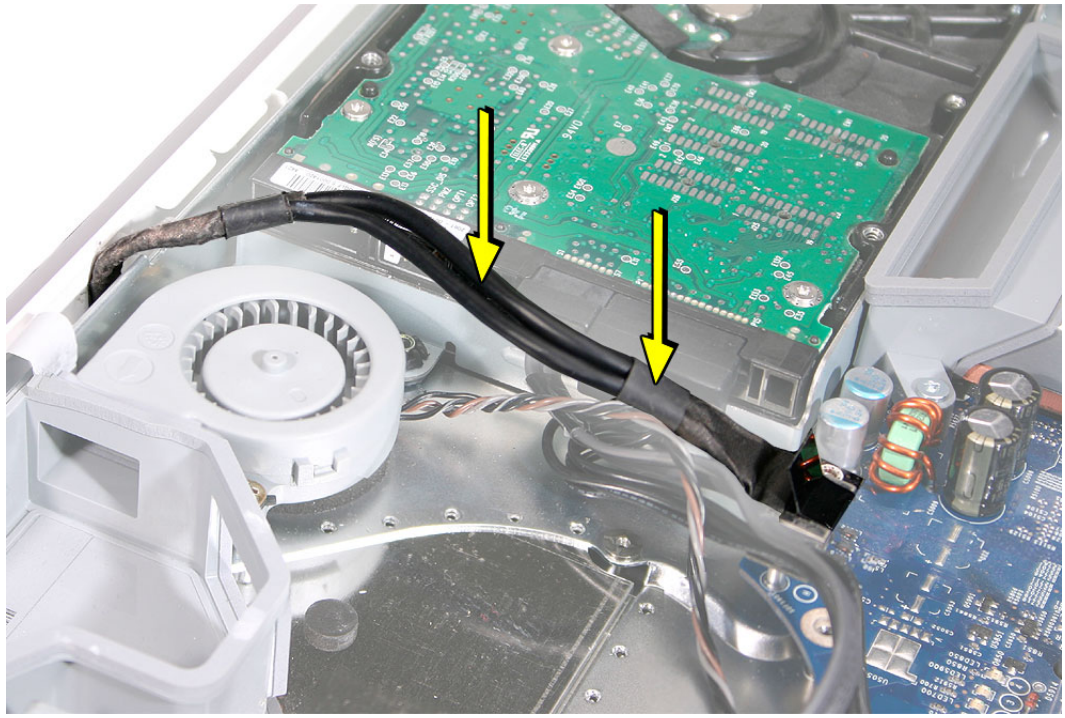
1. Route the fan cable under the black hard drive cable. Connect the fan cable to the connector on the logic board. **Note:** The fan cables are keyed and fit one way. Don't push too hard or you could bend the pins or damage the connectors.



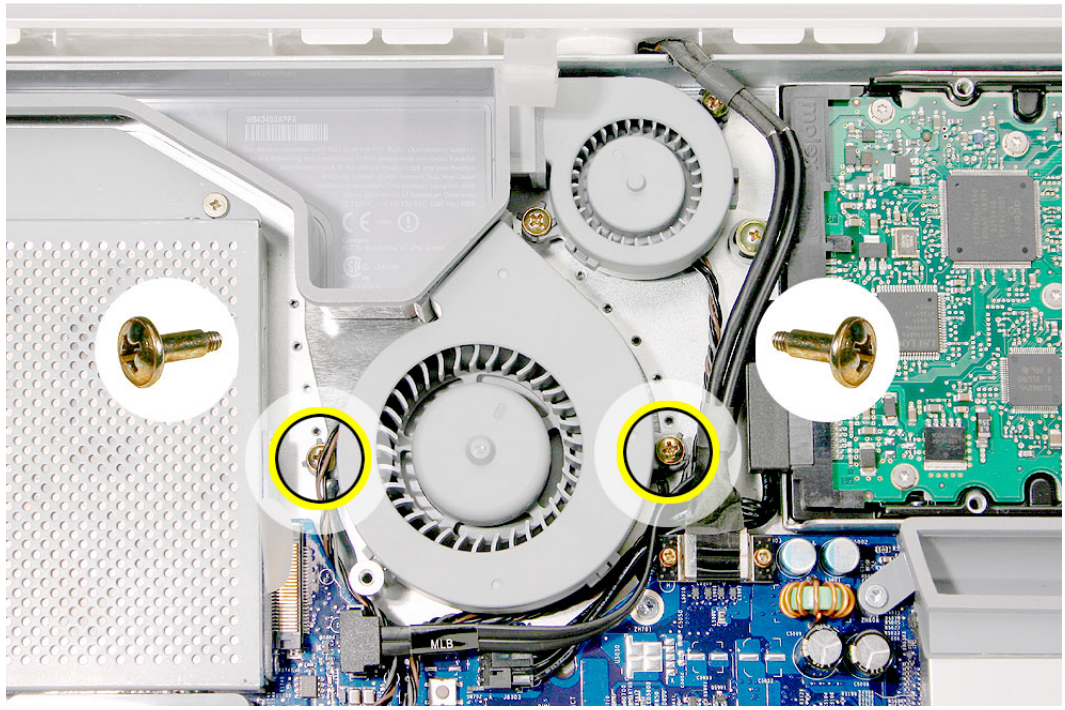
2. Place the two screws into the grommets on the replacement fan. Position the fan into place and tighten the two fan screws.



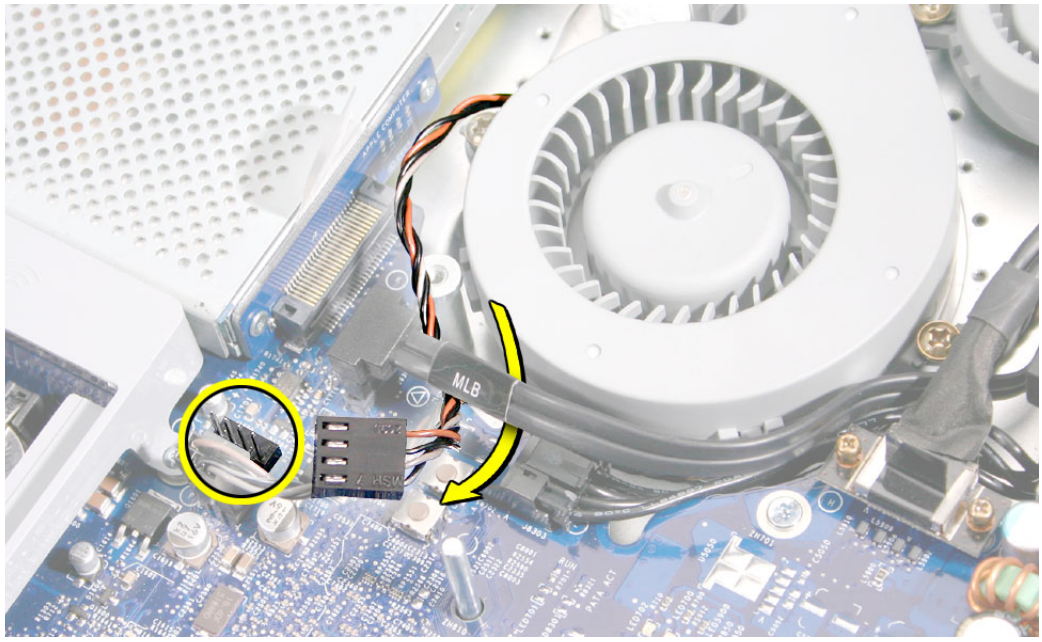
3. Tuck the video cable into the space between the fan and the hard drive.



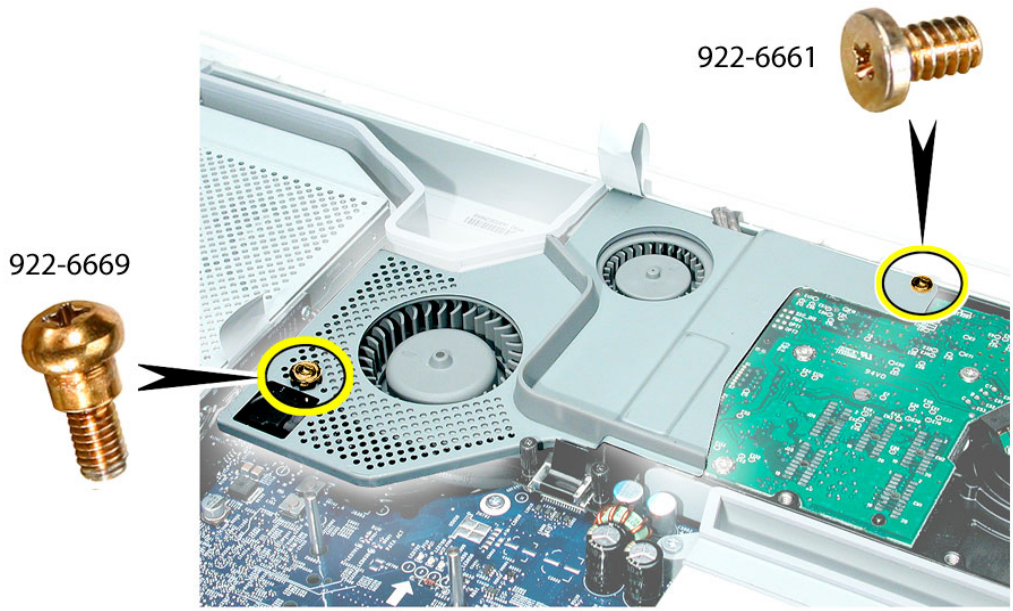
4. Lower the larger fan into the chassis, lining up the screws with the screw holes.
Caution: Move the fan cable (from the smaller fan) out from under the larger fan as you lower the fan into the chassis. Tighten the two fan screws.



5. Route the fan cable under the black cable. Connect the fan cable to the logic board.



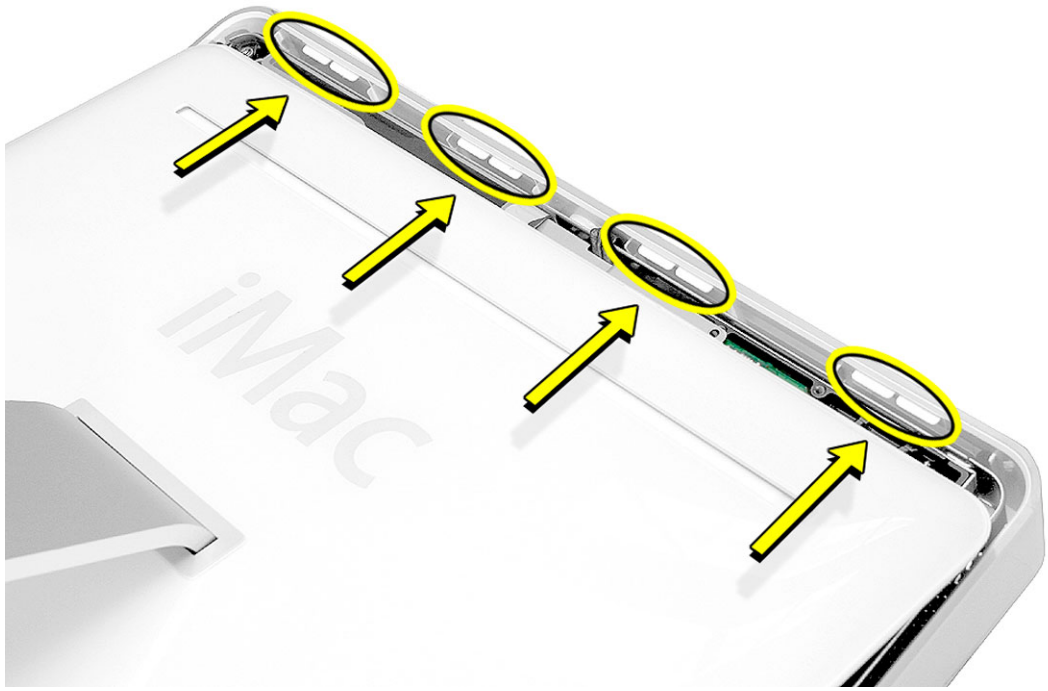
6. Replace the two fan cover screws. The larger screw attaches on the left. **Note:** Make sure the pull tab at the top of the case is sticking up as shown.



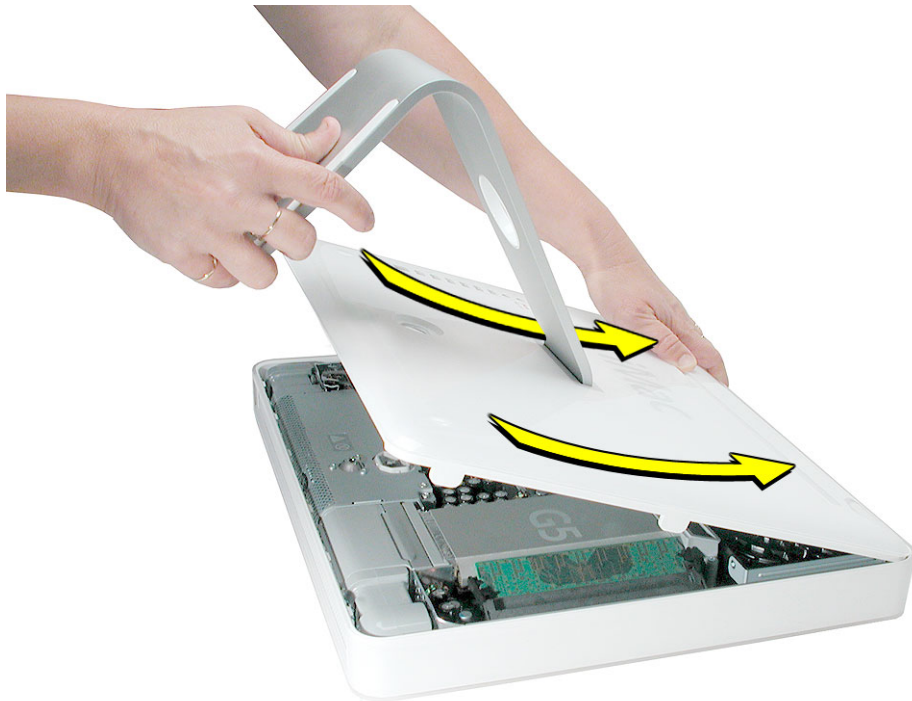
7. Replace the back cover.

Closing the Computer

1. Replace the cover so that the slots on the top edge of the cover mate with the tabs on the display housing.



2. Tilt the back cover slightly and align the top edge with the tabs on the housing. Push the two together as you lower the back cover.



3. Tighten the three captive case screws by turning them to the right. Don’t overtighten the screws

4. Reconnect the power cord while the computer is face down; then position the computer in the upright position. Turn on the computer.

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1 Infinite Loop
Cupertino, CA 95014-2084
USA
+ 1 408 996 1010
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